

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method of detecting the presence of HPV comprising the following steps:

- a. amplification and label[[I]]ing part of the E1 HPV gene, in particular its 3' end;
- b. hybridizing the label[[I]]ed fragment to a solid support containing microarrays with various HPV specific capture probes in the 3' end of the E1 region;
- c. removing uncaptured labeled fragments;
- d. detecting captured detectable moiety indicating the presence of HPV sequence DNA in a sample.

2. (original) The method according to claim 1, wherein first nucleic acid probes are printed on the glass support or are built on the support by light-directed oligonucleotide synthesis.

3. (original) The method according to claim 1 where a combination of the E1 region is used with another HPV sequence.

4. (currently amended) A kit comprising:

- a. a device suitable for carrying out the detection method according to the present invention as claimed in any one of ~~claims 1 to 3~~ claim 1;
- b. a number of primer sets;
- c. ~~a number of one or more~~ solid supports containing capture probes in the 3' side of the E1 HPV capture probes region[[:]].

5. (currently amended) A kit according to claim 4, further comprising:
- ~~a. a device suitable for carrying out the detection method according to the present invention as claimed in any one of claims 1 to 3;~~
 - ~~b. a number of primer sets;~~
 - ~~c. a number of solid supports containing HPV capture probes;~~
 - d. a number of reagents for signal enhancement.
6. (new) A kit comprising:
- a. a device suitable for carrying out the detection method according to the present invention as claimed in any one of claim 2;
 - b. a number of primer sets;
 - c. one or more solid supports containing capture probes in the 3' side of the E1 HPV region.
7. (new) A kit according to claim 6, further comprising:
- d. a number of reagents for signal enhancement.
8. (new) A kit comprising:
- a. a device suitable for carrying out the detection method according to the present invention as claimed in any one of claim 3;
 - b. a number of primer sets; and
 - c. one or more solid supports containing capture probes in the 3' side of the E1 HPV region.
9. (new) A kit according to claim 8, further comprising:
- d. a number of reagents for signal enhancement.